

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strikethrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND claims 1 and CANCEL claim 4 in accordance with the following:

1. (currently amended) An optical device, comprising:

a cabinet with first and second holes;

an optical element with front and rear surfaces;

a fixing means for fixing the optical element attached to substantially all of the rear surface of said optical element and fixed to said cabinet;

a lens accommodated in the cabinet and focusing a plurality of segments of output light transmitted from the front surface of said optical element;

~~a cabinet provided with light input/output holes, that accommodates the optical element, the fixing means and the lens;~~

a heater heating the said cabinet;

~~a first blocking means blocking air and passing light through made of a light transmitting material, for blocking the first light input/output hole; and~~

a second blocking means blocking the air and passing the light through made of a light transmitting material, for blocking the second light input/output hole, where said optical element has a temperature controlled uniformly by said heater through said fixing means and the air inside said cabinet.

2. (original) The optical device according to claim 1, wherein either said first or second blocking means is said lens.

3. (original) The optical device according to claim 1, wherein either said first or second blocking means is said fixing means.

4. (canceled)

5. (currently amended) The optical device according to claim [[4]] 1, wherein said fixing means is provided with an anti-reflection film for an area into and out of which light transmits.

6. (original) The optical device according to claim 1, wherein said optical element is a virtually imaged phased array optical element.

7. (original) The optical device according to claim 1, wherein said fixing means has almost the same thermal expandability as the optical element.

8. (original) The optical device according to claim 7, wherein the thermal conductivity of said fixing means is almost the same as the air.

9. (original) The optical device according to claim 1, further comprising a mirror reflecting the spectral components of light that are separated by said optical element.

10. (original) The optical device according to claim 1, wherein said fixing means is either transparent glass or a semi-conductor that is transparent in the infrared ray range.